Note: This document is only useful after you register for TracHack, sign the NDA and receive the instruction from them.

macOS

Assuming you already have

- Installed Python3 - https://www.python.org/downloads/
- Installed pip - https://pip.pypa.io/en/stable/installing/

1) Install AWS CLI via Mac Installer

https://docs.aws.amazon.com/cli/latest/userguide/install-cliv2-mac.html#cliv2-mac-install-gui

Or in Mac Terminal, run:

1) curl "https://awscli.amazonaws.com/AWSCLIV2.pkg" -o "AWSCLIV2.pkg"
2) sudo installer -pkg AWSCLIV2.pkg -target /

More info: https://docs.aws.amazon.com/cli/latest/userguide/install-cliv2-mac.html#cliv2-mac-install-cmd

2) Configure AWS

In terminal run:

1) aws configure
2) Enter Key:
3) Enter Secret Key:
4) Enter default region: us-east-1
5) Default output format [None]: Press Enter

3) Install SSM

In terminal run:

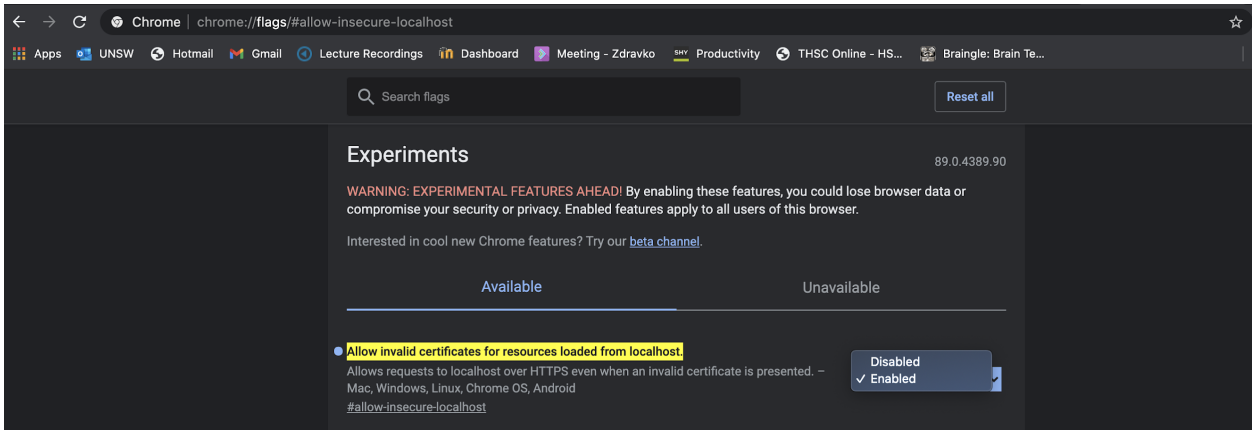
1) curl "https://s3.amazonaws.com/session-manager-downloads/plugin/latest/mac/sessionmanager-bundle.zip" -o "sessionmanager-bundle.zip"
2) unzip sessionmanager-bundle.zip
3) sudo ./sessionmanager-bundle/install -i /usr/local/sessionmanagerplugin -b /usr/local/bin/session-manager-plugin
4) Verify by running : session-manager-plugin

More info:
https://docs.aws.amazon.com/systems-manager/latest/userguide/session-manager-working-with-install-plugin.html#install-plugin-verify

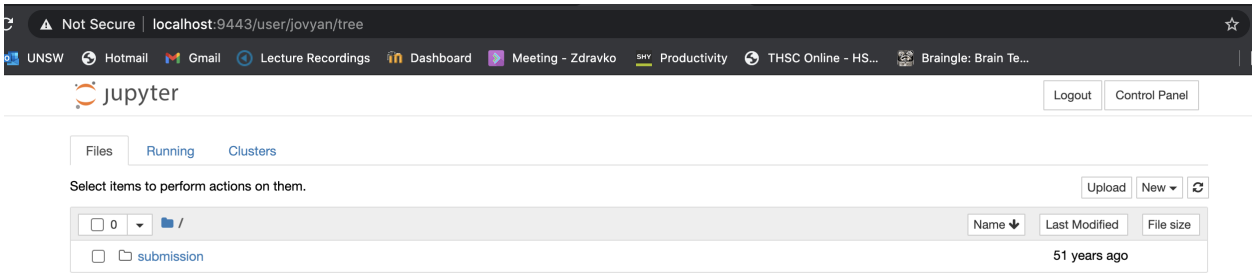
4) Connect to server

In terminal run:

1) aws ssm start-session --target i-0f3d80228969ad807 --document-name AWS-StartPortForwardingSession --parameters '{"portNumber":["9443"], "localPortNumber":["9443"]}'
   REPLACE ID IN RED WITH YOUR TARGET ID THAT IS SPECIFIED IN THE EMAIL SENT TO YOU.
2) Open https://localhost:9443. If you cannot proceed due to a warning page you will need to allow your browser to allow resources loaded from localhost - in chrome you can bypass this warning by typing “chrome://flags/#allow-insecure-localhost” in your url-bar and enabling “Allow invalid certificates for resources loaded from localhost”. You can disable this back at any point.



3) Enter username: ___ and password: ____
4) You should see something like the picture below:



Windows

Assuming you already have

- Installed Python3 - https://www.python.org/downloads/
- Installed pip - https://pip.pypa.io/en/stable/installing/

1) Install AWS CLI

Download and install the msi file: **https://awscli.amazonaws.com/AWSCLIV2.msi**
More info: **https://docs.aws.amazon.com/cli/latest/userguide/install-cliv2-windows.html**
To verify installation- open cmd and run: aws --version

2) Configure AWS

In cmd run:

1) aws configure
2) Enter Key:
3) Enter Secret Key:
4) Enter default region: us-east-1
5) Default output format [None]: Press Enter

3) Install SSM

1) Download and install :**https://s3.amazonaws.com/session-manager-downloads/plugin/latest/windows/SessionManagerPluginSetup.exe**
2) **Verify installation-** open cmd and run: session-manager-plugin
3) **IF** "The Session Manager plugin was installed successfully. Use the AWS CLI to start a session" was printed go to **4) Connect to server**
4) If the command failed, then you will have to add `session-manager-plugin` to your operating system's `PATH` environment variable. Refer to the steps below

To modify your PATH variable (Windows)

1) Press the Windows key and enter **`environment variables`**.
2) Choose **Edit environment variables for your account**.
3) Choose **PATH** and then choose **Edit**.
4) Choose **New.**
5) Add the following paths depending on your machine:
    - **32-bit machines**: `C:\Program Files (x86)\Amazon\SessionManagerPlugin\bin\`
    - **64-bit machines**: `C:\Program Files\Amazon\SessionManagerPlugin\bin\`
6) Choose **OK** twice to apply the new settings.
7) Close any running command prompts and re-open.

More info:https://docs.aws.amazon.com/systems-manager/latest/userguide/session-manager-troubleshooting.html#windows-plugin-env-var-not-set

4) Connect to server

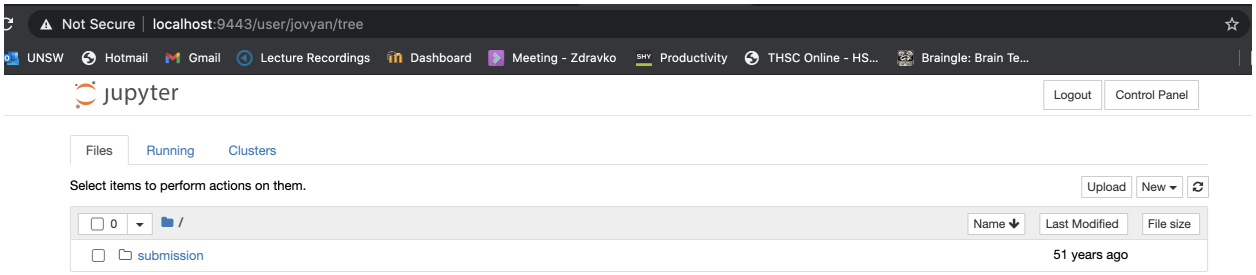
In terminal run:

1) aws ssm start-session --target i-0f3d80228969ad807 --document-name AWS-StartPortForwardingSession --parameters portNumber="9443",localPortNumber="9443".

REPLACE ID IN RED WITH YOUR TARGET ID THAT IS SPECIFIED IN THE EMAIL SENT TO YOU.

Once you see 'Waiting for connections...'

2) Open https://localhost:9443. If you cannot proceed due to a warning page you will need to allow your browser to allow resources loaded from localhost - in chrome you can bypass this warning by clicking 'advanced' and choosing 'proceed'. Or type "chrome://flags/#allow-insecure-localhost" in your url-bar and enable "Allow invalid certificates for resources loaded from localhost". You can disable this back at any point.
3) Enter username: ___ and password: ____
4) You should see something like the picture below:


Not Secure
localhost:9443/user/jovyan/tree
UNSW
Hotmail
Gmail
Lecture Recordings
Dashboard
Meeting - Zdravko
Productivity
THSC Online - HS...
Braingle: Brain Te...
jupyter
Logout
Control Panel
Files
Running
Clusters
Select items to perform actions on them.
Upload
New
0
/
Name
Last Modified
File size
submission
51 years ago